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(54) Title: **LEUCINE RICH REPEAT CONTAINING PROTEIN**

Alignment of INSP179-EC and INSP179-EC-SV1 nucleotide sequences

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179EC-SV1      KGGAAAAACCTCTATTTCAGAGTCATTACCACTAGCTTAGGTCCTTATTCTAGGAATA
INSP179EC      KTGAAAACCTCTATTTCAGAGTCATTACCACTAGCTTAGGTCCTTATTCTAGGAATA

179EC-SV1      ATGACAAATGCATCAGAAAAGCAATATTTTATTCATTTCTGAATGCCAATGGAATGAA
INSP179EC      ATGACAAATGCATCAGAAAAGCAATATTTTATTCATTTCTGAATGCCAATGGAATGAA

179EC-SV1      TATATTTCTGACAAATTTCTTTTACCGGAAAGTGTGATATACCTGTGACATATCACAG
INSP179EC      TATATTTCTGACAAATTTCTTTTACCGGAAAGTGTGATATACCTGTGACATATCACAG

179EC-SV1      ACAGCAGCCACTGTGGATTAAGTTTCAATTTCTTTAGAGTTCCTTACAGTCTCACAG
INSP179EC      ACAGCAGCCACTGTGGATTAAGTTTCAATTTCTTTAGAGTTCCTTACAGTCTCACAG

179EC-SV1      AAAAAAGAGAGTGGAAAATAAAACATCTGGACCTCAGTAACAACTCATATCAAAATA
INSP179EC      AAAAAAGAGAGTGGAAAATAAAACATCTGGACCTCAGTAACAACTCATATCAAAATA

179EC-SV1      ACCTTAAGCCCTTTTGCATATTTACATGCTTTGGAGTGTAAACCTCAGCAACAAATGCC
INSP179EC      ACCTTAAGCCCTTTTGCATATTTACATGCTTTGGAGTGTAAACCTCAGCAACAAATGCC

179EC-SV1      ATCCACTCCCTCTCATTTGGATCTACTCAGTCCCAAGTCTCATGGGTGAAACGCCACAGA
INSP179EC      ATCCACTCCCTCTCATTTGGATCTACTCAGTCCCAAGTCTCATGGGTGAAACGCCACAGA

179EC-SV1      AGCAGCTTCAGAAACAGGTTTCCATTTGCTGAAGTGTCTATTCTTCAAGAAATAAATCTC
INSP179EC      AGCAGCTTCAGAAACAGGTTTCCATTTGCTGAAGTGTCTATTCTTCAAGAAATAAATCTC

179EC-SV1      AGTGACACTCCCAAGGG-----
INSP179EC      AGTGACACTCCCAAGGGACTGTGGAACAGTCAATTCAGAGATTGGATCTGTCAATTC

179EC-SV1      -----
INSP179EC      AATGGGATATTGCAATAGGGTGTCTGATTTTCAACAATGCTGCACTGGAGAAATCTC

179EC-SV1      -----
INSP179EC      TGTTTAAAGCAACAAAGATATTCAAAATTCGCCCAAGGCTTCAAGGACCTCAAAAAA

179EC-SV1      -----
INSP179EC      TTACAGGTATAGACCTTAGCAACATGCTCTGATTAACATCTACCAATGATGATATA

179EC-SV1      -----
INSP179EC      GCTCTAGAAATTCCTCCATCTAGTGGTTGACTTGCTGATAAATACTGGCATGTGATGAT

179EC-SV1      -----
INSP179EC      AGTGTGGCAGTCTTTCAAAATTTTATTTCTGAATCTGGAGGAAAGTGGAAATGTCATT

179EC-SV1      -----GAGTGAGGAGGCCAAGGGGCACTCCCCAGAGCAGGATTTCC
INSP179EC      TGCAACAGGTCTATAGGAGTGAAGAGGCCAAGGGGCACTCCCCAGAGCAGGATTTCC

179EC-SV1      AGGGAAACCCGCTTCTCCCATTCATCTGCATCGCATGAAGGCTCATAGAGGACAAA
INSP179EC      AGGGAAACCCGCTTCTCCCATTCATCTGCATCGCATGAAGGCTCATAGAGGACAAA

179EC-SV1      GCAGAGAGGCCCGAGGAGGAGGACACAGGCGATTTCTACTCTGGGGAAGAGGCAAG
INSP179EC      GCAGAGAGGCCCGAGGAGGAGGAGGACACAGGCGATTTCTACTCTGGGGAAGAGGCAAG

179EC-SV1      GCGGCTCTGTCTCAGGAAGACGACAGCGGCTGCCAAGGAGTGTAGAGGACCGCG
INSP179EC      GCGGCTCTGTCTCAGGAAGACGACAGCGGCTGCCAAGGAGTGTAGAGGACCGCG

179EC-SV1      GATGTGCAG
INSP179EC      GATGTGCAG

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(57) Abstract: This invention relates to the novel protein, termed INSP (179), herein identified as a secreted protein, in particular as a member of the leucine rich repeat containing protein family and to the use of this protein and nucleic acid sequences from the encoding gene in the diagnosis, prevention and treatment of disease.

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